



GP IP Network Module

IP Ethernet Communications Module for GP controllers

**Product Part Number:
PR0105**



The GP IP Network module allows the GP range of controllers to connect to an Ethernet (Internet Protocol) network running at 10baseT.

The 3 rotary switches are used to define the module and controllers ID to an RDM front-end system such as the Data Manager. Any setting other than 000 allows the Data manager to DHCP and address to the controller.

Setting the rotary switches to 000 allows the controller to have a static IP address, which must be programmed into the controller by the user. (See the user guide of the controller to do this)

The IP module is powered from the controller it's connected to, and does not require an external PSU.

The IP communications module has 2 connectors, one for the controller and one for the Ethernet network.

Connections:

Controller: connect the controller to the IP module using a CAT5 patch lead (note that although a CAT5 lead is used, this interface is RS232) to the connector marked "controller" on the IP module. The serial port for a GP controller is found on the relay board. This lead must be no longer than 5 metres.

Connect the IP module to an Ethernet device such as a hub using a CAT5 patch lead. Length of this lead must conform to the 10baseT CAT5 standard. Once the Ethernet connection is established, the green LED on the Ethernet connection will come on. This LED will flash when data is being transmitted/received. The amber LED on the Ethernet connector denotes a data error or collision. An occasional flash of this LED is acceptable, but if the amber LED is continually flashing or permanently on, there is a severe network problem and steps must be taken to remedy this.

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